

CFIV



PATENT

ATTORNEY DOCKET NO.: AVX-202-CIP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
ANDREW P. RITTER et al.	)	Examiner: B. Talbot
	)	
Serial No.: 10/632,514	)	Group Art Unit: 1762
	)	
Filed: August 1, 2003	)	Our Account No.: 04-1403
	)	
Confirmation No.: 4340	)	Customer ID No.: 22827
	)	
For: PLATED TERMINATIONS	)	

REQUEST TO CORRECT INVENTORSHIP

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

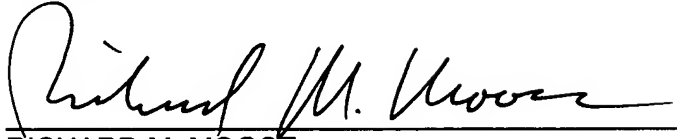
Honorable Commissioner:

Please amend inventorship in the above-referenced patent application to add inventor **Jeffrey A. Horn** whose omission arose without any deceptive intention on his part, nor on the part of his fellow inventors. Enclosed herewith is Inventor Horn's signed Statement attesting to same. The Oath and Declaration has been revised to include Inventor Horn, and such document, which has been executed by all inventors, is enclosed herewith for addition to the Office records. The requisite processing fee is enclosed herewith. Also enclosed is an executed Certificate Under 37 CFR 3.73(b).

The Examiner is encouraged to contact the undersigned if any further information surrounding this correction of inventorship is required. Please charge any additional fees to Deposit Account 04-1403.

Respectfully submitted,

DORITY & MANNING,  
ATTORNEYS AT LAW, P.A.

A handwritten signature in black ink, appearing to read "Richard M. Moose", written over a horizontal line.

Date: January 28, 2005

RICHARD M. MOOSE  
Registration No. 31,226  
Post Office Box 1449  
Greenville, SC 29602-1449  
Telephone: 864-271-1592  
Facsimile: 864-233-7342

In re Application of: ANDREW P. RITTER et al.

Group Art Unit: 1762

Serial No: 10/632,514

Examiner: B. Talbot

Filed: August 1, 2003

Our Client ID: 22827

Confirmation No: 4340

Our Account No: 04-1403

Title: PLATED TERMINATIONS



Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

**REQUEST TO CORRECT INVENTORSHIP**

This is a request/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is to be treated as the signature to the attachment in absence of a signature thereto.

Fee requirements (if any) have been calculated as shown below:

Claims remaining after amendment	Highest number previously paid for	Present Extra	Additional Fee
Total Effective Claims 20	minus 41	=	X \$50 = \$

Independent Claims 2	minus 4	=	x \$200 = \$
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If amendment enters proper multiple dependent claim(s) into this application for first time, add \$290.00 (per application)

Since Official Action set an original due date of \_\_\_\_\_,

**PETITION** is hereby made for an extension to cover the date this response is filed for which the requisite fee is enclosed (1 month \$120; 2 months \$450; 3 months \$1020; 4 months \$1590, 5 months \$2,160)

If Terminal Disclaimer enclosed, add Rule 20(d) Official Fee (\$110.00)

**SUBTOTAL:**

\$ -0-

If "small entity" verified statement filed [ ] previously,  
[ ] herewith, enter one-half (1/2) of subtotal and subtract

\$

**TOTAL:**

\$ -0-

Other: Request to Correct Inventorship; Statement; newly executed Declaration;  
Certificate Under 37 CFR 3.73(b) with attachments

\$ 130.00

**TOTAL FEE ENCLOSED: \$ 130.00**

The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

ADDRESS:  
Post Office Box 1449  
Greenville, SC 29602 USA  
Customer ID No.: 22827  
Telephone: 864-271-1592  
Facsimile: 864-233-7342

**DORITY & MANNING**  
ATTORNEYS AT LAW, P.A.

By: RICHARD M. MOOSE Reg. No: 31,226 Date: 01/28/2005

Signature: *Richard M. Moose*

I hereby certify that this correspondence and any referenced attachment and fee are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Post Office Box 1450, Alexandria, VA 22313-1450, on January 28, 2005.

CHRISTINE P. STANFIELD

(Typed or printed name of person mailing paper or fee)

*Christine P. Stanfield*  
(Signature of person mailing paper or fee)



PATENT

ATTORNEY DOCKET NO.: AVX-202-CIP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
ANDREW P. RITTER et al.	)	Examiner: E. Thomas
	)	
Serial No.: 10/632,514	)	Group Art Unit: 2831
	)	
Filed: August 1, 2003	)	Our Account No.: 04-1403
	)	
For: PLATED TERMINATIONS	)	Customer ID No.: 22827

STATEMENT OF INVENTOR JEFFREY A. HORN

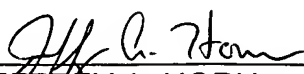
Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

Honorable Commissioner:

The Commissioner is respectfully requested to add my name, **Jeffrey A. Horn**, as an inventor in the above-referenced patent application. Such omission arose without any deceptive intent on my part, nor on the part of my fellow inventors. A new Oath and Declaration has been executed by myself and by my fellow inventors to indicate mutual consent to this action.

Correction of inventorship in the above-referenced application by addition of my name as an inventor is respectfully requested.

Date: 11-16-04

  
\_\_\_\_\_  
JEFFREY A. HORN



Attorney Docket No.: AVX-202-CIP

**COMBINED DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

(includes reference to PCT International Applications)

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PLATED TERMINATIONS

the specification of which

- ( ) is attached hereto.  
( XX ) was filed on August 1, 2003 as Application Serial No. 10/632,514,  
and was amended on \_\_\_\_\_.  
(if applicable)  
( ) was filed as PCT International Application No. \_\_\_\_\_ on  
\_\_\_\_\_ and was amended under PCT Article 19 on  
\_\_\_\_\_.  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate or of any PCT International Application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT International Application(s) designating at least one country other than the United States of America having a filing date before that of the application on which priority is claimed:

Prior Foreign/PCT Application(s) (if PCT, indicate "PCT" under Country)			Priority Claimed	
_____ Number	_____ Country	_____ Day/Month/Year Filed	( ) Yes	( ) No
_____ Number	_____ Country	_____ Day/Month/Year Filed	( ) Yes	( ) No

I hereby claim the benefit under Title 35, United States Code Section 120 and/or 119 of any United States application(s) or PCT International Application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior application(s) in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulation, Section 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No. or PCT Application No. (and any assigned USSN)	U.S. or PCT Filing Date	Status -- Patented Pending, or Abandoned Pending - Provisional Pending -- Utility
<u>60/372,673</u>	<u>April 15, 2002</u>	
<u>10/409,023</u>	<u>April 8, 2003</u>	

**POWER OF ATTORNEY:** As a named Inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Wellington M. Manning, Jr.	Registration No. 22,376
Julian W. Dority	Registration No. 20,268
James M. Bagarazzi	Registration No. 29,609
Richard M. Moose	Registration No. 31,226
Stephen E. Bondura	Registration No. 35,070
Timothy A. Cassidy	Registration No. 38,024
Jeffrey M. Karmilovich	Registration No. 35,915
Tim F. Williams	Registration No. 47,178
Timothy D. St. Clair	Registration No. 48,316
Frances Barnes Elliott	Registration No. 41,598
Jason W. Johnston	Registration No. 45,675
Neal P. Pierotti	Registration No. 45,716
Bernard S. Klosowski, Jr.	Registration No. 47,710
William M. Simmons	Registration No. 53,910
Steven R. LeBlanc	Registration No. 47,740
David M. Sigmon	Registration No. 52,224
Tara E. Agnew	Registration No. 50,589
Neil M. Batavia	Registration No. 54,599
Christina L. Mangelsen	Registration No. 50,244
Harry E. Moose, Jr.	Registration No. 51,277
Jennifer L. van der Horst	Registration No. 52,312

**Send Correspondence to:**

Attorney: Richard M. Moose, Esquire  
Dority & Manning, P.A.  
Post Office Box 1449  
Greenville, South Carolina 29602-1449

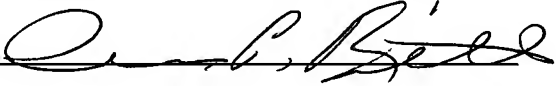
**Direct Telephone Calls to:**

Attorney: Richard M. Moose, Esquire  
Telephone: 864-271-1592  
Facsimile: 864-233-7342

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Andrew P. Ritter**

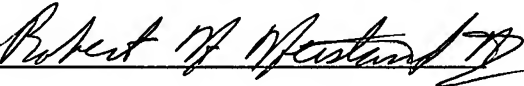
(Full name of sole or first joint inventor, if any)

First Inventor's Signature:  6-14-04  
Date

Residence: Surfside Beach, South Carolina 29575  
Citizenship: United States  
Post Office Address: 1474 Bay Tree Lane, Surfside Beach, SC 29575

**Robert Heistand, II**

(Full name of sole or second joint inventor, if any)

Second Inventor's Signature:  6-15-04  
Date

Residence: Myrtle Beach, South Carolina 29588  
Citizenship: United States  
Post Office Address: 3611 Brampton Drive, Myrtle Beach, SC 29588

**John L. Galvagni**

(Full name of sole or third joint inventor, if any)

Inventor's Signature:  15 JUN 04  
Date

Residence: Surfside Beach, South Carolina  
Citizenship: United States  
Post Office Address: 1450B Turkey Ridge Road, Surfside Beach, SC 29575

**Sriram Dattaguru**

(Full name of sole or fourth joint inventor)

Fourth Inventor's Signature: D. Dattaguru 6/15/04  
Date

Residence: Myrtle Beach, South Carolina

Citizenship: India

Post Office Address: 1401 Lantern's Rest Road, Myrtle Beach, SC 29579

**Jeffrey A. Horn**

(Full name of sole or fifth joint inventor)

Fourth Inventor's Signature: Jeffrey A. Horn 6-14-04  
Date

Residence: Myrtle Beach, South Carolina

Citizenship: United States

Post Office Address: 4016 Manor Wood Drive, Myrtle Beach, SC 29588

NOTE: For Additional Inventors, check \_\_\_ and attach sheet with same information and signature and date for each.



## CERTIFICATE UNDER 37 CFR 3.73(b)

Applicant: Andrew P. RITTER et al.Application No.: 10/632,514Filed: August 1, 2003Entitled: PLATED TERMINATIONS

AVX Corporation, a corporation of the State of Delaware  
 Name of Assignee Type of Assignee (e.g. corporation, partnership,  
 university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title and interest; or
2. ☐ an assignee of an undivided part interest

in the application identified above by virtue of either:

- A. ☐ an assignment from the inventor(s) of the patent application identified above.  
 The assignment was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ a chain of title from the inventor(s), of the patent application identified above,  
 To the current assignment as shown below:

1. From: Andrew P. Ritter To: AVX Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel 014847, Frame 0494, or  
 for which a copy thereof is attached.
2. From: Robert Heistand II To: AVX Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel 014847, Frame 0494, or  
 for which a copy thereof is attached.
3. From: John L. Galvagni To: AVX Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel 014847, Frame 0494, or  
 for which a copy thereof is attached.
4. From: Sriram Dattaguru To: AVX Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel 014847, Frame 0494, or  
 for which a copy thereof is attached.
5. From: Jeffrey A. Horn To: AVX Corporation  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or  
 for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental  
 sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this Certificate on behalf  
 of the Assignee.

January 3, 2005  
 Date

[Signature]  
 Signature  
 Typed or Printed Name: Kurt Cummings  
 Title: Vice President Finance/CFO/Treasurer



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 14, 2004

PTAS



\*102638501A\*

DORITY & MANNING, P.A.  
RICHARD M. MOOSE  
P.O. BOX 1449  
GREENVILLE, SC 29602-1449

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/22/2003

REEL/FRAME: 014847/0494

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: AVX-202-CIP

ASSIGNOR:

RITTER, ANDREW P.

DOC DATE: 11/21/2003

ASSIGNOR:

HEISTAND, ROBERT, II

DOC DATE: 11/24/2003

ASSIGNOR:

GALVAGNI, JOHN L.

DOC DATE: 12/02/2003

ASSIGNOR:

DATTAGURU, SRIRAM

DOC DATE: 12/02/2003

ASSIGNEE:

AVX CORPORATION  
801 17TH AVENUE, SOUTH  
MYRTLE BEACH, SOUTH CAROLINA 29578

**RECEIVED**

JUL 19 2004

DORITY AND MANNING

014847/0494 PAGE 2

SERIAL NUMBER: 10632514  
PATENT NUMBER:  
TITLE: PLATED TERMINATIONS

FILING DATE: 08/01/2003  
ISSUE DATE:

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

40.00 05

**INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS, WE, ANDREW P. RITTER**, a citizen of the United States, residing at 1474 Bay Tree Lane, Surfside Beach, South Carolina 29575; **ROBERT HEISTAND, II**, a citizen of the United States, residing at 3611 Brampton Drive, Myrtle Beach, South Carolina 29588; **JOHN L. GALVAGNI**, a citizen of the United States, residing at 1450B Turkey Ridge Road, Surfside Beach, South Carolina 29575; and **SRIRAM DATTAGURU**, a citizen of India, residing at 1401 Lantern's Rest Road, Myrtle Beach, South Carolina 29579; as assignors, have made an invention entitled "PLATED TERMINATIONS" as described in a patent application for U.S. Letters Patent, filed August 1, 2003 and bearing U.S. Serial No. 10/632,514; and

**WHEREAS, AVX CORPORATION**, a corporation under the laws of the State of Delaware, whose address is 801 17th Avenue South, Myrtle Beach, South Carolina 29578, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

**NOW, THEREFORE**, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration, the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be

granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

**AND, WE HEREBY** covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, WE HEREBY** further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

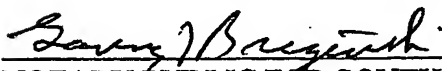
  
Signature of First Inventor

Andrew P. Ritter

Date: 11/21/03

STATE OF SOUTH CAROLINA )  
)  
) ss.  
)  
COUNTY OF Henry )

SWORN TO AND SUBSCRIBED before me this 21<sup>st</sup> day of November, 2003.

  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: 9/25/13

[SEAL]

LANNY J. BREZINSKI  
NOTARY PUBLIC  
STATE OF SOUTH CAROLINA  
MY COMMISSION EXPIRES  
SEPTEMBER 25, 2013

  
Signature of Second Inventor

Robert Heistand, II

Date: Nov 24 2003

STATE OF SOUTH CAROLINA )  
)  
) ss.  
)  
COUNTY OF Henry )

SWORN TO AND SUBSCRIBED before me this 29<sup>th</sup> day of November, 2003.

  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: 9/25/13

[SEAL]

LANNY J. BREZINSKI  
NOTARY PUBLIC  
3 STATE OF SOUTH CAROLINA  
MY COMMISSION EXPIRES  
SEPTEMBER 25, 2013

John L. Galvagni  
Signature of Third Inventor

John L. Galvagni

Date: 02 Dec 07

STATE OF SOUTH CAROLINA )  
)  
) SS.

COUNTY OF Harry)

LANNY J. BRECZINSKI  
NOTARY PUBLIC  
STATE OF SOUTH CAROLINA  
MY COMMISSION EXPIRES  
SEPTEMBER 25, 2013

SWORN TO AND SUBSCRIBED before me this 2nd day of December, 2003.

Lanny J. Breczinski  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: 9/25/13

[SEAL]

D. Sris  
Signature of Fourth Inventor

Sriram Dattaguru

Date: 2nd Dec' 2003

STATE OF SOUTH CAROLINA )  
)  
) SS.

COUNTY OF Harry)

LANNY J. BRECZINSKI  
NOTARY PUBLIC  
STATE OF SOUTH CAROLINA  
MY COMMISSION EXPIRES  
SEPTEMBER 25, 2013

SWORN TO AND SUBSCRIBED before me this 2nd day of December, 2003.

Lanny J. Breczinski  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: 9/25/13

[SEAL]



**INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS, WE, ANDREW P. RITTER**, a citizen of the United States, residing at 1474 Bay Tree Lane, Surfside Beach, South Carolina 29575; **ROBERT HEISTAND, II**, a citizen of the United States, residing at 3611 Brampton Drive, Myrtle Beach, South Carolina 29588; **JOHN L. GALVAGNI**, a citizen of the United States, residing at 1450B Turkey Ridge Road, Surfside Beach, South Carolina 29575; **SRIRAM DATTA GURU**, a citizen of India, residing at 1401 Lantern's Rest Road, Myrtle Beach, South Carolina 29579; and **JEFFREY A. HORN**, a citizen of the United States, residing at 4016 Manor Wood Drive, Myrtle Beach, South Carolina 29588, as assignors, have made an invention entitled "PLATED TERMINATIONS" as described in a patent application for U.S. Letters Patent, filed August 1, 2003 and bearing U.S. Serial No. 10/632,514; and

**WHEREAS, AVX CORPORATION**, a corporation under the laws of the State of Delaware, whose address is 801 17th Avenue South, Myrtle Beach, South Carolina 29578, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

**NOW, THEREFORE**, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration, the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and

assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

**AND, WE HEREBY** covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, WE HEREBY** further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

\_\_\_\_\_  
Signature of First Inventor

\_\_\_\_\_  
Andrew P. Ritter

Date: \_\_\_\_\_

STATE OF SOUTH CAROLINA )  
  )  
  ) ss.  
  )  
COUNTY OF \_\_\_\_\_)

SWORN TO AND SUBSCRIBED before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: \_\_\_\_\_

[SEAL]

\_\_\_\_\_  
Signature of Second Inventor

\_\_\_\_\_  
Robert Heistand, II

Date: \_\_\_\_\_

STATE OF SOUTH CAROLINA )  
  )  
  ) ss.  
  )  
COUNTY OF \_\_\_\_\_)

SWORN TO AND SUBSCRIBED before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: \_\_\_\_\_

[SEAL]

\_\_\_\_\_  
Signature of Third Inventor

\_\_\_\_\_  
John L. Galvagni

\_\_\_\_\_  
Date:

STATE OF SOUTH CAROLINA   )  
  )  
  ) ss.  
  )  
COUNTY OF \_\_\_\_\_)

SWORN TO AND SUBSCRIBED before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: \_\_\_\_\_

[SEAL]

\_\_\_\_\_  
Signature of Fourth Inventor

\_\_\_\_\_  
Sriram Dattaguru

\_\_\_\_\_  
Date:

STATE OF SOUTH CAROLINA   )  
  )  
  ) ss.  
  )  
COUNTY OF \_\_\_\_\_)

SWORN TO AND SUBSCRIBED before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: \_\_\_\_\_

[SEAL]

Jeffrey A. Horn  
Signature of Fifth Inventor

Jeffrey A. Horn

Date: 6-14-04

STATE OF SOUTH CAROLINA )  
)  
) ss.  
)  
COUNTY OF Harry )

LANNY J. BRECZINSKI  
NOTARY PUBLIC  
STATE OF SOUTH CAROLINA  
MY COMMISSION EXPIRES  
SEPTEMBER 25, 2013

SWORN TO AND SUBSCRIBED before me this 14 day of June, 2004.

Lanny J. Breczinski  
NOTARY PUBLIC FOR SOUTH CAROLINA  
MY COMMISSION EXPIRES: 9-25-13

[SEAL]